

Data Analysis 1 Statistics and Society





















GENERAL MATHEMATICS

Name: _____

CAPACITY MATRIX - GENERAL MATHEMATICS

TOPIC: Data Analysis 1 & 2

3 weeks

CONTENT	CAPACITY BREAKDOWN!	DONE IT!!!!	GOT IT!!!!!!	ON MY WAY!	WORKING ON IT!	HELP!!!!
1. Analysing data - posing questions	Stat Investigation 1 & 2 Posing questions p 150					
2. Collecting data - internal and external sources	Ex 5A Stat Investigation 3					
3. Organising data	Ex 5B Stat investigation 4					
4. Displaying data and writing a report	Ex 5C Stat investigation 5-7					
5. Quality control	Ex 5D					

Statistical Processes

The purpose of completing a statistical inquiry is to turn raw data into meaningful information.

There are 6 stages to be completed:

1. Posing questions
2. Collecting data
3. Organising data
4. Summarising and displaying data
5. Analysing data and drawing conclusions
6. Writing a report

Collecting Data

Organising Data

eg An online survey company wants to know what would be the most efficient size character length for names. You are to collect the number of characters in names from a random sample present them in the frequency distribution.

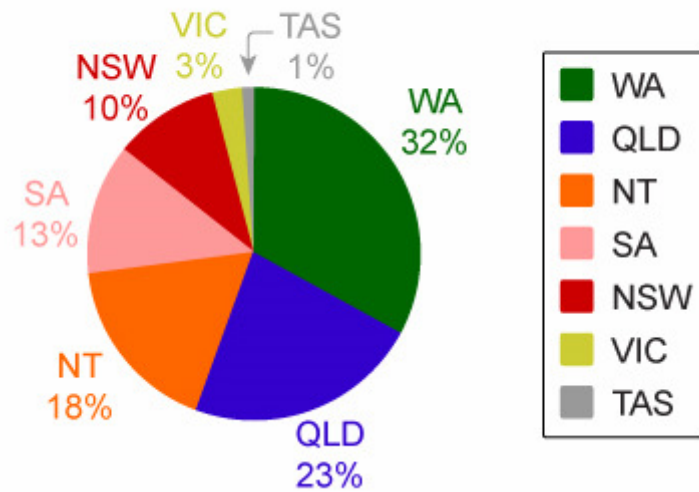
NUMBER OF CHARACTERS	TALLY	FREQUENCY

NOTE: If you have a large spread of scores, you may need to use classes (equal groups for your score)

Displaying Data

SECTOR GRAPHS:

Australian States by Land Area



Australian State	% of Land Area (approximate)	Angle at the Centre of the Sector Graph
Western Australia	32%	
Queensland	23%	
Northern Territory	18%	
South Australia	13%	
New South Wales	10%	
Victoria	3%	
Tasmania	1%	
TOTAL	100%	